WHAT IS CLAIMED IS:

1.   A method permitting compact ways to update relationships between entities in an audiovideo sequence, or serial set of sequences, the method comprising:

    writing a description between the entities, the description containing relations;

    determining the relations that may be represented by parameters, each parameter having a numerical value; and

    obtaining from the user, one or more of the following:

        (a) the numerical value for the parameter;

        (b) a description of the parameter containing the numerical value; and

        (c) a description capable of setting the parameter dynamically.

2.   The method of claim 1 further comprising combining a State DS with an additional field in a GraphType DS.

3.   The method of claim 2 wherein combining allows a set of parameters to determine the strength of an edge, seen as a fuzzy member of the relation defined by edges on a set of vertices.

4.   The method of claim 1 further comprising running, by a user, a query based on membership in the relation